100

02-0405

FEB 1952 51-4AA

CENTRAL INTELLIGENCE AGENCY

	CLA	SSIFICAT	ION		SECRET SECURITY INF						25X1	
		•		INF	ORMATIO	N REP	ORT	REPO	RT NO.			
								CD N	10.			
COUNTRY	USSR	(Moscow	Oblast)/Germa)/Germany				DISTR.		22 Sept	. 1952
SUBJECT 25X1		ode Slee ning it	ve Desi	gns and	d Cathode Sle Fryazino 25X1	eve		NO. (of Pages		3	
									OF ENCLS	• .	ı	
				25	X1				PLEMENT ORT NO.	то		
											<u>:</u>	
OF THE UNITED	STATES, N	INFORMATION AF	ING OF TITLE	18, SECTION	IS 793	TING IS	25X1		D INFOR		ON:	
	CONTENTS	DDE, AS AMENDED TO OR RECEIPT HE REPRODUCTION	BY AN UNAUT	HORIZED PERS	ON IS	25)		UATE.	D INFOR	MAII	ON	
25X1 1 。		node Slee	ve Des	igns	the Catho	le Asseml	olv Labo	rato	rv. whic	h wa	as a par	25X1 t of the
, =° I 25X1	Chen				ch was engag	ed in the	e coatir	g of	cathode	s.	wer	
	rece				nkina, the c		_	rato	ry.	٦,,	t the In	stitæve1.
2.	the	lapped (for tel	or fol	ded) ty	pe, the seam	less type	e, and t	hen ach	another (see Enc	type	e which	was used
3 (in 1	.946 only the	 lapped v	variety	was	being re	cei	ved. T	hey
25X	1 havi	ing open	seams	and 50%	rvals in lot closed seam round. The	s. Also	some of	'the	sleeves	we:	out 50% re recta	of them ngular Tabout
	35 n	m long,	4 mm w	ide, and	2 mm high.	The ro	und ones	wer	e usuall	y 20	0 mm lon	
	<i>~</i> :	SCI #1 04*	.100		(mann			٠				
[27:77		SSIFICAT	, ,	1	SECRE	· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·	•
STATE	x	A I R	XX NSRE		DISTRIBU	IION						

25X1

J.,	SECRET	25X1
	-2-	
•	diameters varying between 1.5 and 3 mm. some of this type were made of magnesium nickel and others of silicon nickel. These sleeves were manufactured in both Germany	25X1
25X1	and the USSR. but there was no enange in their dimensions	25X1 25X1
25X1 25X1 25X1 25X1	Beginning in 1949 a new type of sleeveseamless and similar to the ones in Germany during the warbegan to arrive in addition to the previous type. They arrived in unmarked cartons, each carton containing anywhere from 5 to 100 sleeves. Some of this type were round and others were oval. The smallest round ones were approximately 15 mm long and between 1.5 and 2 mm in diameter; the largest were 30 mm long and 8 mm in diameter. The largest oval ones were 50 to 60 mm long, with the two axes being 6 mm and between 2.5 and 3 mm the smallest ones. This type seemed to be made of molybdenum metal.	25X1
5,	During 1951 both types were received, but there were more of the folded than of the seamless type.	
6.	Another type, which was used only for TV tubes, began to arrive around 1947. These came in cartons containing about 20 or 30 each. Mrs Chenkina complained about them because her department could not properly coat them. They failed when placed in the TV tubesprobably because the vacuums were poor or the coverings were dirty or because they were carelessly handled after the coatings were applied.	2 2 + 1, 31 14
7.		25X1
Cet	hode Sleeve Cleaning Process	
8.	The cleaning of the cathode sleeve was not considered important by the USSR.	25X1
	it was done Here is a description of how in the USSR.	25/(1
9.		
.		
L	SECRET	
	PROTEIT	

25X1

25X1 25X1 25X1

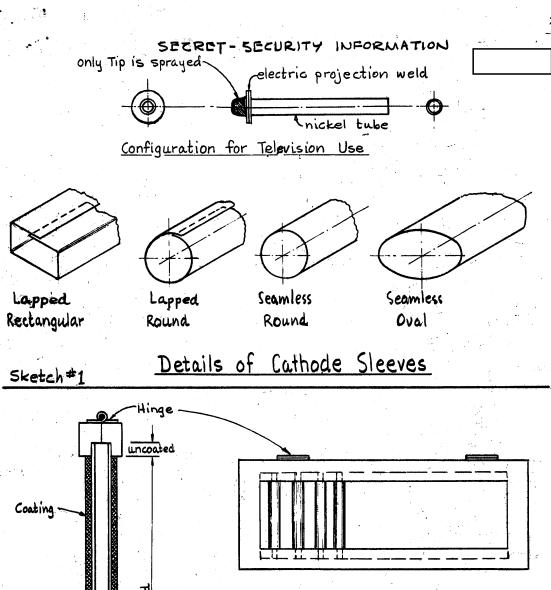
25X1

Approved For Release 2007/03/02 : CIA-RDP82-00457R014000270008-3

ENCLOSURE (A): Sketch 1 Details of Cathode Sleeves
Sketch 2 The Spraying of the Cathode Sleeve
in a Frame

25X1

SECRET



Enclosure (A)

Spraying of Cathode Sleeves

-SECRET-

in Frame

uncoated

Clasp

Sketch #2